Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/05/2022 09:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123010	-2	1.43	122931	1.43
Blue	F	SSC	125000	123293	-2	2.89	123935	2.84
Blue	E	FITC	15860	15178	-5	2.25	370	13.90
Blue	D	PE	27718	27313	-2	1.74	636	10.13
Blue	B	PerCP-Cy5-5	38046	37313	-2	2.94	1021	14.93
Blue	A	PE-Cy7	26092	25764	-2	4.91	505	30.59
Red	C	APC	49104	48655	-1	2.84	1713	11.49
Red	A	APC-Cy7	28201	27241	-4	3.18	715	12.38
Violet	B	V450	9904	9346	-6	3.56	520	11.75
Violet	A	V500	39004	37484	-4	3.21	980	8.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23461	2.00	564	-5	N/A	N/A	Pass
Blue	F	SSC	55098	1.56	521	-7	N/A	N/A	Pass
Blue	E	FITC	57	55.60	490	-1	0.0455	111	Pass
Blue	D	PE	124	37.93	497	1	0.4636	350	Pass
Blue	B	PerCP-Cy5-5	139	44.79	589	0	0.0195	64	Pass
Blue	A	PE-Cy7	63	94.35	632	0	0.0217	3	Pass
Red	C	APC	330	26.81	581	0	0.0277	166	Pass
Red	A	APC-Cy7	96	43.16	553	-2	0.0063	1260	Pass
Violet	B	V450	84	48.18	462	4	0.0496	1678	Pass
Violet	A	V500	122	35.79	474	5	0.0273	2040	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/05/2022 09:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.72	-31.46	1.06
Blue	20.36	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.45
Red	14.88	13.90 - 20.86	N/A	N/A	29.78	30.08	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 14145

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments